EPSON STYLUS® PRO 4000

Product Reference Guide 1.3

Advanced Desktop Printer Technology

For Professionals

"In 1996, the **Epson Stylus Color 3000** represented the ultimate desktop color printer for creative professionals."

"In 2003, the all new **Epson Stylus Pro 4000** builds on this strategy, but takes the image quality, ink technology, and print speed to a new level."

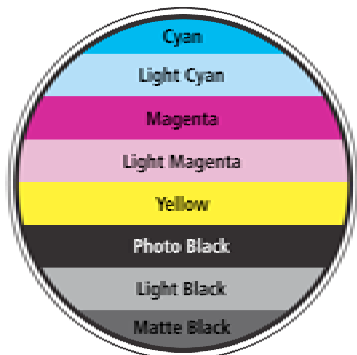"The **Epson Stylus Pro 4000** incorporates all of our latest ink, print head, and printer engine technologies, ensuring your creative vision will be produced without compromise."

Completely New
Print Engine Design

EPSON

17" Wide

7-Color Epson UltraChrome™ Ink with 8-Channel Print Head Technology

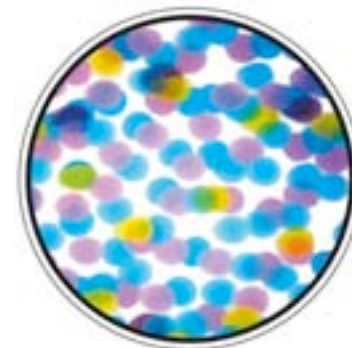Includes both Matte and Photo Black Inks for Automatic Switching Between Black Modes

Professional Media Handling

Prints on virtually any media type in roll or cut sheet from letter up to 17″ wide

◄——— 17″ Wide ———►

Up to 1.9 Times Faster!

High Performance Print Engine

Now up to twice as fast as our previous Epson Stylus Pro model line!

True 2880 x 1440 dpi Resolution

With variable droplets as small as 3.5 picoliter
microscopic enlargement shown above

EPSON

Professional Level ICC Profiles
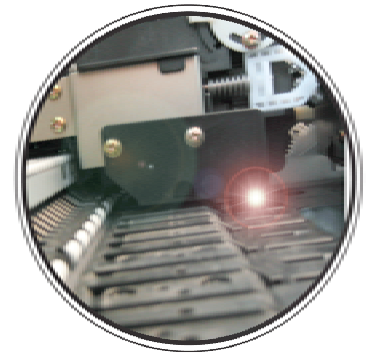All new RGB ICC profiles for extremely accurate color out of the box

Easy-to-Use Front Control Panel
With backlight display and ink level indicators

← 17″ Wide →

← 17″ Wide →

Intelligent High-Capacity Ink System
8 individual ink cartridges available in 110ml or 220ml sizes

**Auto Head Alignment
& Nozzle Check Technology**
Built-in white beam sensor precisely aligns and checks all color channels automatically

EPSON

➤ **All New 8-Channel Print Head Technology**

- Print head design capable of handling eight separate ink channels
- 1-inch wide high-performance print head - 180 nozzles per channel x 8

➤ **Maximum Resolution of 2880 x 1440 dpi**

- Incredibly sharp text and line art rivaling a final printing press
- Extremely fine blends and photographic transitions

➤ **Variable Droplet Micro Piezo® DX3™ Technology**

- Produces variable sized droplets as small as 3.5 picoliter
- Greatly decreases print times while optimizing photographic quality
- Proprietary DX3 ASIC technology controls the printing process resulting in consistent image quality and color output from print to print

➤ **Automatic Head Alignment Technology**

- Built-in white beam sensor reads printed data for highly precise alignments of all color channels automatically
- Aligns both single and bi-directional print modes

➤ **Auto Nozzle Check Technology**

- Built-in white beam sensor reads nozzle check pattern and automatically cleans print head if any problems are found – even partially clogged nozzles!

17"

EPSON

➤ **7-Color Pigmented Inking System with Built-in Matte Black**

– Depending upon media type being used, printer automatically switches between Photo Black and Matte Black Ink modes to optimize black ink density

– Extremely wide color gamut for the most demanding color requirements

– No perceivable short-term color shift for stable prints immediately after printing

– Excellent water and lightfastness

➤ **Exclusive Light Black Ink for Superior Photographic Reproduction**

– Significantly improves the printer's gray balance while eliminating color casts

– Dramatically improves the midtones and highlights for smoother transitions

– Reduces the metamerism effect of basic pigment ink chemistry

– Enhances the ICC profiling process for ColorSync™ and ICM™ workflows

17" **Award-winning**

Pigmented Ink Technology

Two Built-in Black Ink Modes – Photo Black & Matte Black

Depending upon the media type being used, printer will automatically switch between Photo Black and Matte Black Ink modes to optimize black ink density for your specific media type. By optimizing the black ink density, optimal print quality can be achieved.

➤ **Epson Photo Black Ink Technology**

- Epson's patented Microcrystal Encapsulation Technology encapsulates an acrylic resin around the pigmented ink particle. This allows for optimal image quality on coated ink jet and other photographic medias such as Epson Premium Luster, Premium Glossy, and Premium Semimatte Photo Papers.

- Depending upon the media type, you can achieve a black D-Max up to 2.0

➤ **Epson Matte Black Ink Technology**
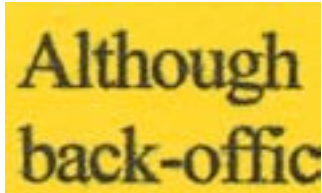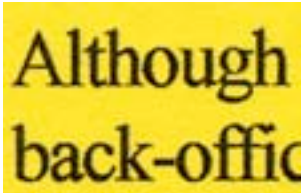
- Matte Black ink is a pigmented black ink that does not use our acrylic resin encapsulated technology and is optimized for plain paper or matte media types such as Epson Enhanced Matte, UltraSmooth Fine Art, Somerset Velvet, etc.

- Depending upon the media type, you can achieve a black D-Max up to 1.69

Photo Black can be used for ALL media types, but some plain paper or fine art media will benefit greatly by using the Matte Black Ink Technology

_17"_

Epson UltraChrome Matte Black Ink Technology is superior to standard dye based inks for plain or matte type paper printing

Benefits	Standard Dye Black Inks	Epson Matte Black Inks
➤ **Higher Optical Density** ➤ **Sharper Text & Line Art**	ing Optical Density = 1.3	ing Optical Density = 1.69
➤ **Less Bleeding** ➤ **Superior Printing on recycled media types**	Although back-offic (plain recycled Paper)	Although back-offic (plain recycled Paper)

Epson Photo Black Ink can be used for ALL media types, but some plain paper or fine art media will benefit greatly by using the Matte Black Ink Technology

17"

➤ **Wilhelm Imaging, Inc. lightfastness ratings for prints displayed under non-UV or UV coated glass.**

Epson Media Type	Color Ratings		B & W Ratings	
	Non-UV	UV	Non-UV	UV
Premium Glossy Photo Paper (250)	85	98 years	135	130 years
Premium Luster Photo Paper (Roll)	71	165 years	95	>200 years
Premium Semimatte Photo Paper (250)	67	133 years	76	170 years
UltraSmooth Fine Art	108	175 years	>140	>175 years
Somerset Velvet for Epson (Roll & Sheet)	62	124 years	90	>160 years
Enhanced Matte Paper	76	155 years	>180	>200 years
PremierArt™ Water Res. Canvas for Epson*	70	>100 years	>100	>200 years

Lightfastness data by Wilhelm Imaging Research, Inc. For more information visit http://www.wilhelm-research.com/

Ink lightfastness ratings based on accelerated testing of prints on specialty media, displayed indoors, under glass. Actual print stability will vary according to media, printed image, display conditions, light intensity, humidity, and atmospheric conditions. Epson does not guarantee longevity of prints. For maximum print life, display all prints under glass or lamination or properly store them.

*Testing Still in Progress. Canvas with no protection and not placed behind glass (Bare Bulb) is expected to have a lightfastness rating of 45 years.

17"

Lightfast Ratings

For Professionals

➤ **Professional Level Black and White Photographic Printing**

- Produces a truly consistent image with little color crossover or colorcasts
- Reduced metamerism when printing a 7-color black and white print
- Depending upon media, produces a black D-max up to 2.0
- Produces sellable quality neutral or toned black and white prints

Sepia

Neutral Gray

Cool Gray

Warm Gray

17"

"Epson UltraChrome Ink provides me with the missing link for producing black & white prints."

– Mac Holbert, NASH Editions

➤ Professional Media Handling

- Prints on virtually any media type in roll or cut sheet up to 17-inch wide

- Built-in high-capacity paper tray handling up to 250 sheets of plain letter sized paper or up to 50 sheets of photographic media at 17" x 22"

- Can print on both sides of the media without damaging the previously printed side

- User-adjustable Roll Media Spindle accepts either 2-inch or 3-inch media cores

- Four built-in media paths including roll feed, cut-sheet tray, front-top manual feed, and a straight-through front manual feed handling weights up to 1.5mm thick

- Built-in automatic media cutter

➤ True BorderFree™ Printing

- Capable of printing off both left and right edges of roll based media, while automatically cutting top and bottom edges to produce a full-bleed print on all four sides

- Fully trims your finished prints more accurately and safely than by hand

17"

Unsurpassed

Media Flexibility

Unsurpassed Media Flexibility

Up to 17-inch Wide Roll
Auto-loading roll media
Handles both 2″ and 3″ cores
Up to 132 feet of media
Handles media up to 250 g/m^2

Up to 17-inch Wide Cut Sheet
Auto-loading single sheet feeder
Top loading with paper guide
Handles media up to 0.7mm

Up to 17-inch Wide Cut Sheet
Single sheet feeder
Front or Rear Manual-loading
Straight-through media path
Handles media up to 1.5mm

Up to 17″ x 22″ Cut Sheet
High-Capacity Paper Tray
Up to 250 sheets of plain paper
Up to 150 sheets of photo media
Handles media up to 250 g/m^2

Up to Four
Built-in Media Paths

EPSON

17"

16"

22"

20"
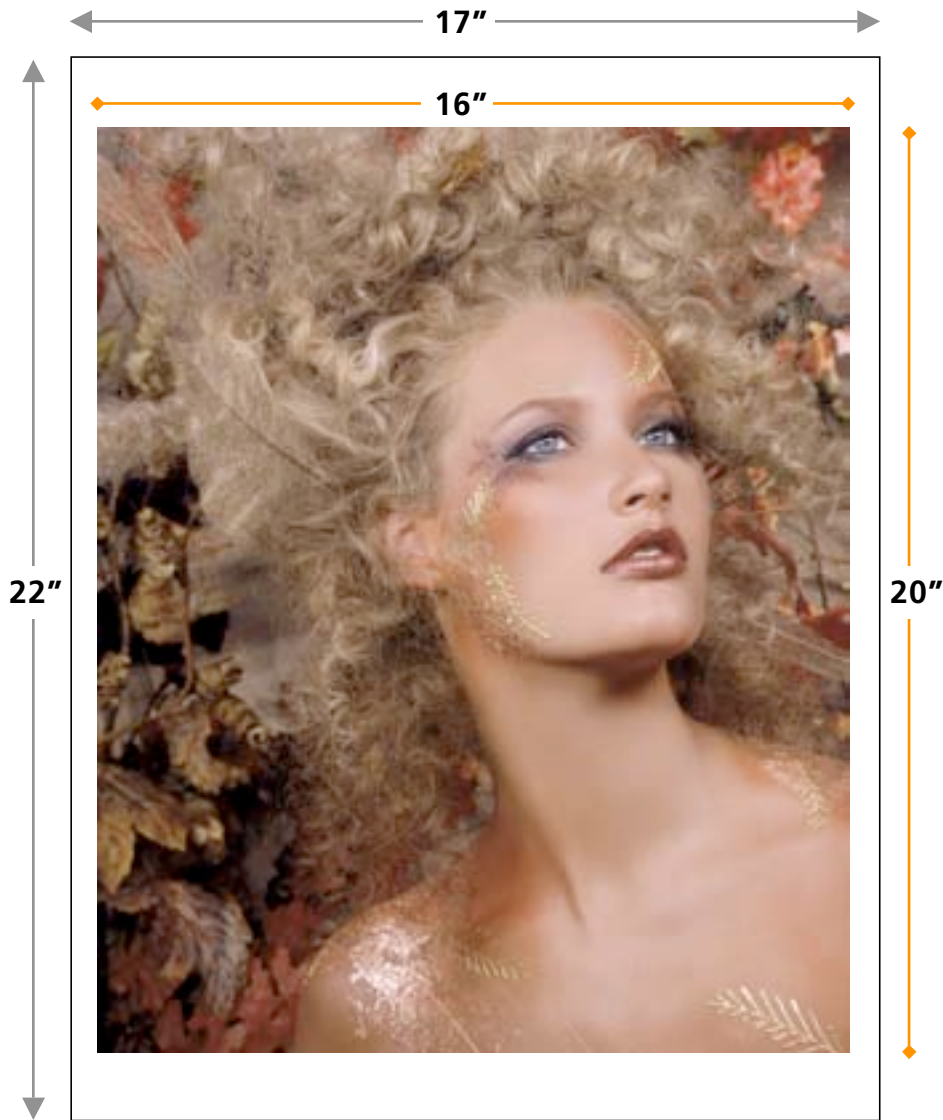
Photograph © 2003 Douglas Dubler³ Photography

➤ **Produces a Full 16" x 20" on 17" x 22" Cut Sheet Media**

  – Allows for enough room around the 16" x 20" image for matting and framing

  – This maximizes the entire 16" x 20" print rather than needing to bleed into the image area for matting or mounting

  – Cut sheet media always comes out flat versus roll based media - no curl!

  – The high capacity paper tray can accommodate up to 50 sheets of 17" x 22" photographic media at once

  – You can also produce full bleed 8"x 10", 8"x 12",11"x 14",16"x 20", and even up to 17" by any length using roll media

Unique
17" x 22" Cut Sheet
for Professional 16" x 20" Prints

EPSON

16″

20″

The Ultimate

16″ x 20″

Photo Printer

Photograph © 2003 Douglas Dubler[3] Photography

EPSON

17″

17″

11″

22″

All the
Room a
Creative
Professional
Needs

On the
Desktop!

EPSON

17″

22″
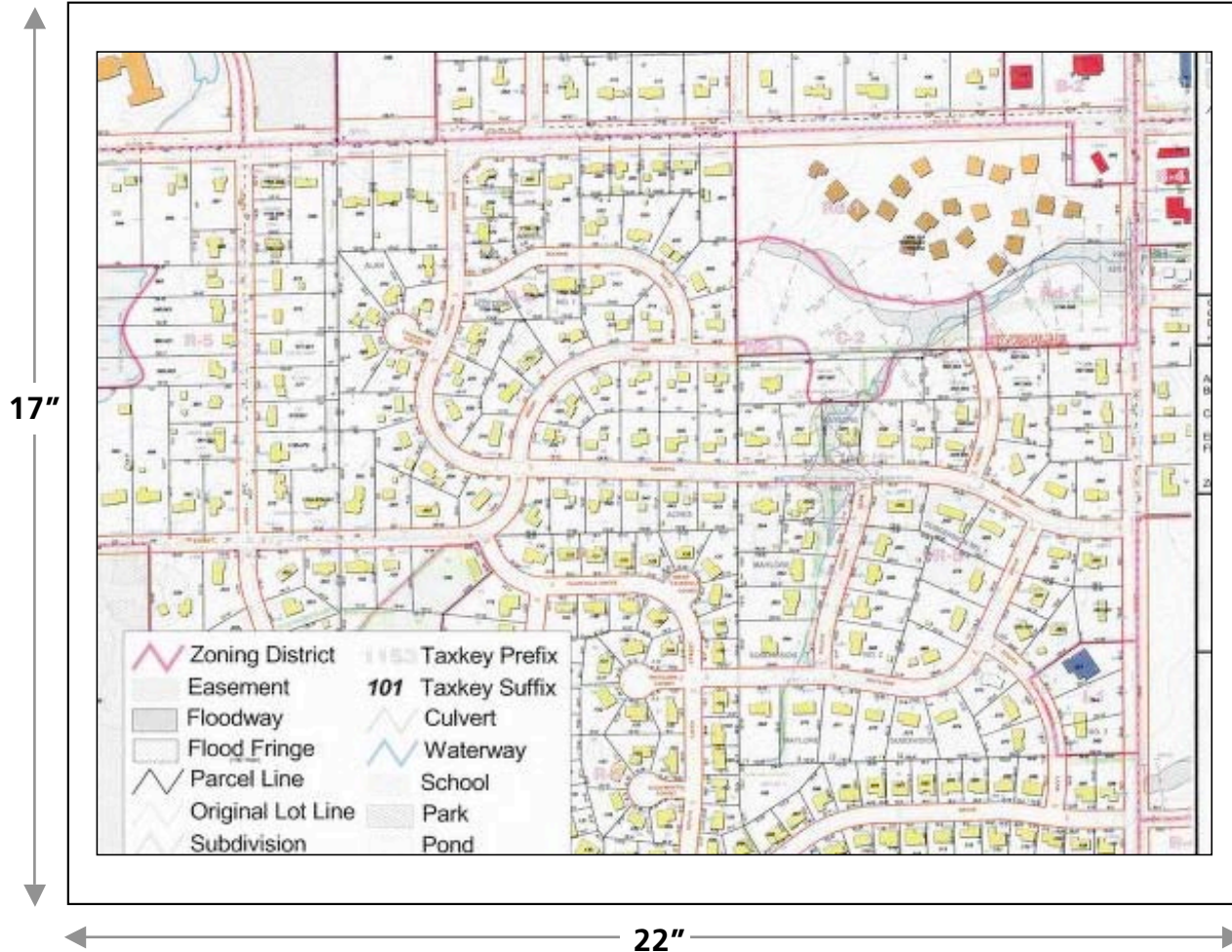
The Ultimate US C-Size Photographic Printer On the Desktop!

EPSON

Legend

- Zoning District
- Easement
- Floodway
- Flood Fringe
- Parcel Line
- Original Lot Line
- Subdivision
- 1153 Taxkey Prefix
- *101* Taxkey Suffix
- Culvert
- Waterway
- School
- Park
- Pond

Epson Media Type	Epson Part No.	Media Size
Premium Luster Photo Paper (250)	S041737	16" x 100' Roll
Premium Luster Photo Paper (250)	S041828[1]	17" x 22" Sheets
Premium Semimatte Photo Paper (250)	S041738	16" x 100' Roll
Premium Semimatte Photo Paper (250)	S041827[1]	17" x 22" Sheets
Proofing Paper Commercial Semimatte	S041724	17" x 100' Roll
Enhanced Matte Paper	S041725	17" x 100' Roll
SingleWeight Matte Paper	S041746	17" x 132' Roll
UltraSmooth Fine Art Paper (250)	SP91205	17" x 50' Roll
PremierArt™ Water Res. Canvas for Epson	SP91221	17" x 40' Roll

Check with your local Epson Reseller for the latest pricing and availability on the complete line of Epson Professional Media
[1]Expected to ship Q4 2004.

17"

Media Options
For Professionals

➤ **Epson Intelligent High-Capacity Ink System**

– Eight 110ml or 220ml ink cartridges with automatic tracking of key data points such as ink levels, ink type and usage rates, for accurate production cost estimates

– Greatly increases productivity by replacing ink cartridges on the fly, even during the middle of a print job, with no loss in image quality or production time

– Utilizes both 110ml and 220ml ink cartridges simultaneously to further optimize ink usage

Please Note: When using 220ml ink cartridges, the front doors must stay open.

High-Capacity Inks

for Low Printer Maintenance

17"

Quick Performance Summary

Overall, the new **Epson Stylus Pro 4000 is about 1.7 to 1.9 times faster than our Epson Stylus Pro 7600** model.

The Epson Stylus Pro 4000 is using our latest print head technology – making it one of the fastest ink jet printers ever made by Epson.

The next three slides will give you more details for your specific printing application.

The following speed information is good for comparing various printer driver modes. They are to be used as a benchmark for your planning purposes only.

The Fastest
Ink Jet Printer in its Class!

17"

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Photographic Ink Mode (7-Color)

C M Y K c m k MK

PRINT MODE	IMAGE SIZE	PRINT TIME	QUALITY DESCRIPTION
Normal - 360 (HS)[1]	Letter	50 secs	Acceptable high-speed plain paper mode - slight banding
Fine - 720 (HS)[2]	Letter	1:11	Photo quality print mode - noticeable grain
Fine - 720[2]	Letter	2:25	Photo quality print mode - slightly reduced grain than 720 (HS)
SuperFine - 1440 (HS)[2]	Letter	2:09	Photo quality print mode - hardly noticeable grain
SuperFine - 1440[2]	Letter	3:40	Continuous tone print mode - no visible grain - equal to photo lab
SuperPhoto - 2880 (HS)[2]	Letter	5:35	Exceptional print quality - smoother than 1440
SuperPhoto - 2880[2]	Letter	9:30	Exceptional print quality - extremely smooth looking - superior to any lab
Normal - 360 (HS)[1]	13" x 19"	1:44	**Internal Drafts / Comping Quality**
Normal - 360[1]	13" x 19"	2:47	Acceptable high-speed plain paper mode - slight banding
Fine - 720 (HS)[2]	13" x 19"	2:23	**Everyday Production Quality**
Fine - 720[2]	13" x 19"	5:00	Photo quality print mode - slightly less grain than 720 (HS)
SuperFine - 1440 (HS)[2]	13" x 19"	4:36	Photo quality print mode - hardly noticeable grain
SuperFine - 1440[2]	13" x 19"	7:49	**Final Proofing / Contract Quality**
SuperPhoto - 2880[2]	13" x 19"	18:44	**Client Presentations - Highest Quality**

17"

[1]Test run on Epson Photo Quality Ink Jet Paper | [2]Test run on Epson Premium Luster Photo Paper | HS=High Speed (Bi-D) Print Mode

Print times represent print engine speeds only. They do not include network, CPU, Spool, RIP, and paper setup times. Add ~23 secs for paper setup times

This color represents an Epson recommended print mode for this market segment

Letter
Test Image

13"x19"
Test Image

Photographic Ink Mode (7-Color)

C M Y K c m k MK

PRINT MODE	IMAGE SIZE	PRINT TIME	QUALITY DESCRIPTION
Fine - 720 (HS)[2]	8" x 10"	1:07	Photo quality print mode - noticeable grain
Fine - 720[2]	8" x 10"	2:27	Photo quality print mode - slightly reduced grain than 720 (HS)
SuperFine - 1440 (HS)[2]	8" x 10"	2:21	Photo quality print mode - hardly noticeable grain
SuperFine - 1440[2]	8" x 10"	3:48	Continuous tone print mode - no visible grain - equal to photo lab
SuperPhoto - 2880 (HS)[2]	8" x 10"	7:08	Exceptional print quality - smoother than 1440
SuperPhoto - 2880[2]	8" x 10"	9:16	Exceptional print quality - extremely smooth looking - superior to any lab
Fine - 720 (HS)[2]	16" x 20"	4:11	Photo quality print mode - noticeable grain
Fine - 720[2]	16" x 20"	7:50	Photo quality print mode - slightly less grain than 720 (HS)
SuperFine - 1440 (HS)[2]	16" x 20"	6:06	Photo quality print mode - hardly noticeable grain
SuperFine - 1440[2]	16" x 20"	10:25	Continuous tone print mode - no visible grain - equal to photo lab
SuperPhoto - 2880 (HS)[2]	16" x 20"	14:54	Exceptional print quality - smoother than 1440
SuperPhoto - 2880[2]	16" x 20"	24:47	Exceptional print quality - extremely smooth looking - superior to any lab

[2]Test run on Epson Premium Luster Photo Paper | HS=High Speed (Bi-D) Print Mode

Print times represent print engine speeds only. They do not include network, CPU, Spool, RIP, and paper setup times. Add ~23 secs for paper setup times

This color represents an Epson recommended print mode for this market segment

17"

8" x 10"
Test Image

16"x20"
Test Image

➤ **Standard 1-Year Epson Preferred^{sm} Protection Plan**

- Prompt answer toll-free phone support with personal PIN ID (supplied in-box) available Monday thru Friday

- Usually next-business-day full unit exchange service

➤ **Optional 1- or 2-Year Epson Preferred Plus Service Available**

- Allows you to continue all the great benefits of the standard Epson Preferred Protection Plan once the free 1-Year warranty expires

- Available for purchase at any time before the standard 1-Year Epson Preferred Protection Plan expires

- The cost for one out-of-warranty service call could be more expensive than a 2-Year optional Preferred Plus Service contract!

Epson Recommends the Purchase of the

Optional 1- or 2-Year Preferred Plus Service Programs

For the Best Possible Support for Your Investment

17"

Epson Stylus Pro **4000** Professional Edition

Technology. Performance. Value.

17"

"The **Epson Stylus Pro 4000** incorporates all of our latest ink, print head, and printer engine technologies, ensuring your creative vision will be produced without compromise."

"The **Epson Stylus Pro 4000 Professional Edition**

adds our fastest internal Ethernet card technology

and a custom-designed ColorBurst® RIP for the

ultimate combination of performance and value."

➤ **Custom-designed PostScript® Language Level 3 Compatible RIP by ColorBurst®**

- Software RIP fully compatible with Macintosh® OS X and Windows® XP

- SWOP® Certified on Epson Premium Semimatte Photo Paper 250 and Epson Proofing Paper Commercial Semimatte

- PANTONE® Licensed to include the full PANTONE Color Library

- Professional Color Management Technology – including separate Input ICC profiles for RGB, CMYK, and Grayscale images

- Ink Limiting Technology with CMYK curve adjustments for each ink channel

- Built-in Printer Linearization Technology compatible with many third-party spectrophotometer devices

- Print directly through your software applications or via Hot Folder

- Direct file printing support for PDF, TIFF, JPEG, EPS, and PS

- Incredible print quality with full resolution support for the Epson Stylus Pro 4000

- Supports the complete line of Epson Professional Media

17"

ColorBurst® RIP   PANTONE Digital Color   SWOP CERTIFIED SYSTEM   X   Windows XP

➤ **High-Performance Ethernet Connectivity**

– Our latest internal 10/100 BaseT high-speed Ethernet card allows the Epson Stylus Pro 4000 to print efficiently over your network

– Fully compatible with both Macintosh® OS X and Windows® XP computers

– Compatible with Apple® Rendezvous Technology

– Built-in web page for complete setup and administration

– No AC adapter required – powered by the Epson Stylus Pro 4000

Please Note: The Epson Stylus Pro 4000 printer can only be connected to a Macintosh OS X based ColorBurst RIP Server via USB or Ethernet. Running the ColorBurst RIP on a Windows XP system will allow you to connect via USB, Ethernet, or FireWire.

17"

➤ **Produce extremely color accurate work from the very first comp**

- Properly set color expectations for both yourself and your client – even during the earliest stages of your design projects

➤ **See fonts and line-art printed the way they will look on press**

- Sharp, clear, text and line-art with up to 2,880 x 1,440 dpi resolution

➤ **Define PANTONE spot colors using their exact numbers**

- No need to convert PANTONE spots into their process equivalents

➤ **Never worry about software application compatibility**

- Fully compatible with Mac OS 9, OS X, and Windows XP client workstations
- Take full advantage of Adobe Illustrator®, Adobe InDesign®, QuarkXPress®, etc.

➤ **Produce all your client presentation prints and final contract proofs in-house – on your schedule**

- Produce mind-blowing color prints for client presentations
- Use the built-in color management system to produce contract proofs on-site!
- As your output needs grow, the Epson Stylus Pro 4000 Professional Edition will be ready when you are – making it the perfect investment for your studio

17"

➤ **Consistently produce color accurate proofs time-after-time**

   – Once a proof is pulled, the color becomes stable throughout your entire approval process – no other ink jet based solution can match it!

   – Properly set color expectations for both yourself and your clients during the final proofing stages of your print jobs

➤ **See fonts and line-art printed the way they will look on press**

   – Sharp, clear, text and line-art with up to 2,880 x 1,440 dpi resolution

➤ **Industry standard color management technology**

   – Compatible with standard ICC Input profiles and CMYK Simulation profiles for complete control of your color

➤ **Incredible performance and value**

   – Priced low enough to be used throughout your entire workflow – even remotely!

   – Consistent printing from printer-to-printer with built-in RIP Linearization Technology ensuring consistent proofs – print-after-print and time-after-time

   – Robust print engine technology handles the most demanding proofing volumes

   – Create proofs up to 17″ wide on proofing medias that match the actual print job!

17″

EPSON

➤ **Extremely photographic screening technology**

- Photographic prints rival – if not exceeds – the print quality of our standard photographic printer driver

➤ **More powerful color management technology**

- Install separate Input ICC Profiles for RGB, CMYK, and Grayscale images for complete control of color

- Select different Rendering Intents for each Input ICC Profile

- You can choose whether to use imbedded ICC profiles or to override them

➤ **Unique printing technology optimizes black and white photography**

- Neutral black and white prints with no color crossover

- Amazing shadow detail with consistent color throughout the print

- Prints look the same under any lighting condition – no metamerism

➤ **Direct File Printing with Hot Folder Technology**

- Drag-and-drop TIFF, JPEG, and EPS files into a Hot Folder for immediate printing

- Create a true printer server to enhance your photographic printing workflow

17"

ColorBurst® RIP **Screenshots**

A PostScript® Language Level 3 compatible RIP

Mac OS X Server Interface Shown

17"

ColorBurst RIP Server – Epson Stylus Pro 4000

Printer: Epson Stylus Pro 4000-1 ⬍ | Hold | Activate | Delete | Cancel

Environment: 1440v SWOP Premium Semimatte ⬍ | Printer Settings… | Ink & Color Settings…

RIP List (0 items) ⦿ RIP On ◯ RIP Off ☑ Receive On Hold

File Name	Status	Copies	Dimensions	File Type	Size	Date

Done List (2 items)

File Name	Status	Copies	Dimensions	File Type	Size	Date
18stand.tif	Completed	1	8.00 x 10.00 In.	TIFF	9.2 MB	8/17/04, 5:02 PM
Page 1.eps	Completed	1	11.00 x 17.00 In.	PS	15.8 MB	8/17/04, 5:57 PM

Main RIP Server Interface & Job Manager
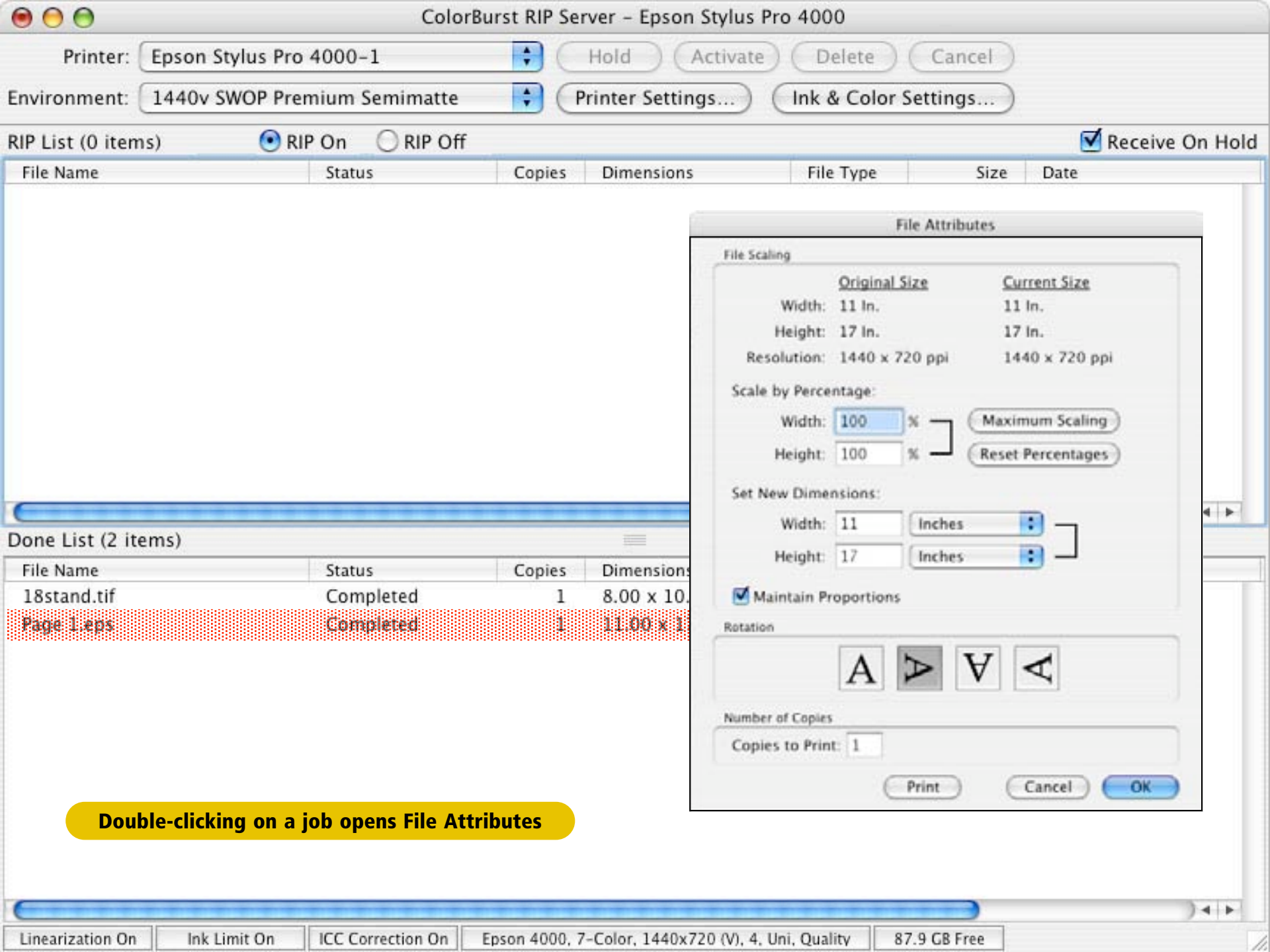
Linearization On	Ink Limit On	ICC Correction On	Epson 4000, 7-Color, 1440x720 (V), 4, Uni, Quality	87.9 GB Free

ColorBurst RIP Server – Epson Stylus Pro 4000

Printer: Epson Stylus Pro 4000-1

Hold   Activate   Delete   Cancel

Environment: 1440v SWOP Premium Semimatte

Printer Settings...   Ink & Color Settings...

RIP List (0 items)   ● RIP On   ○ RIP Off   ☑ Receive On Hold

File Name	Status	Copies	Dimensions	File Type	Size	Date

Done List (2 items)

File Name	Status	Copies	Dimensions
18stand.tif	Completed	1	8.00 x 10.
Page 1.eps	Completed	1	11.00 x 1

File Attributes

File Scaling

	Original Size	Current Size
Width:	11 In.	11 In.
Height:	17 In.	17 In.
Resolution:	1440 x 720 ppi	1440 x 720 ppi

Scale by Percentage:

Width: 100 %   Maximum Scaling

Height: 100 %   Reset Percentages

Set New Dimensions:

Width: 11   Inches

Height: 17   Inches

☑ Maintain Proportions
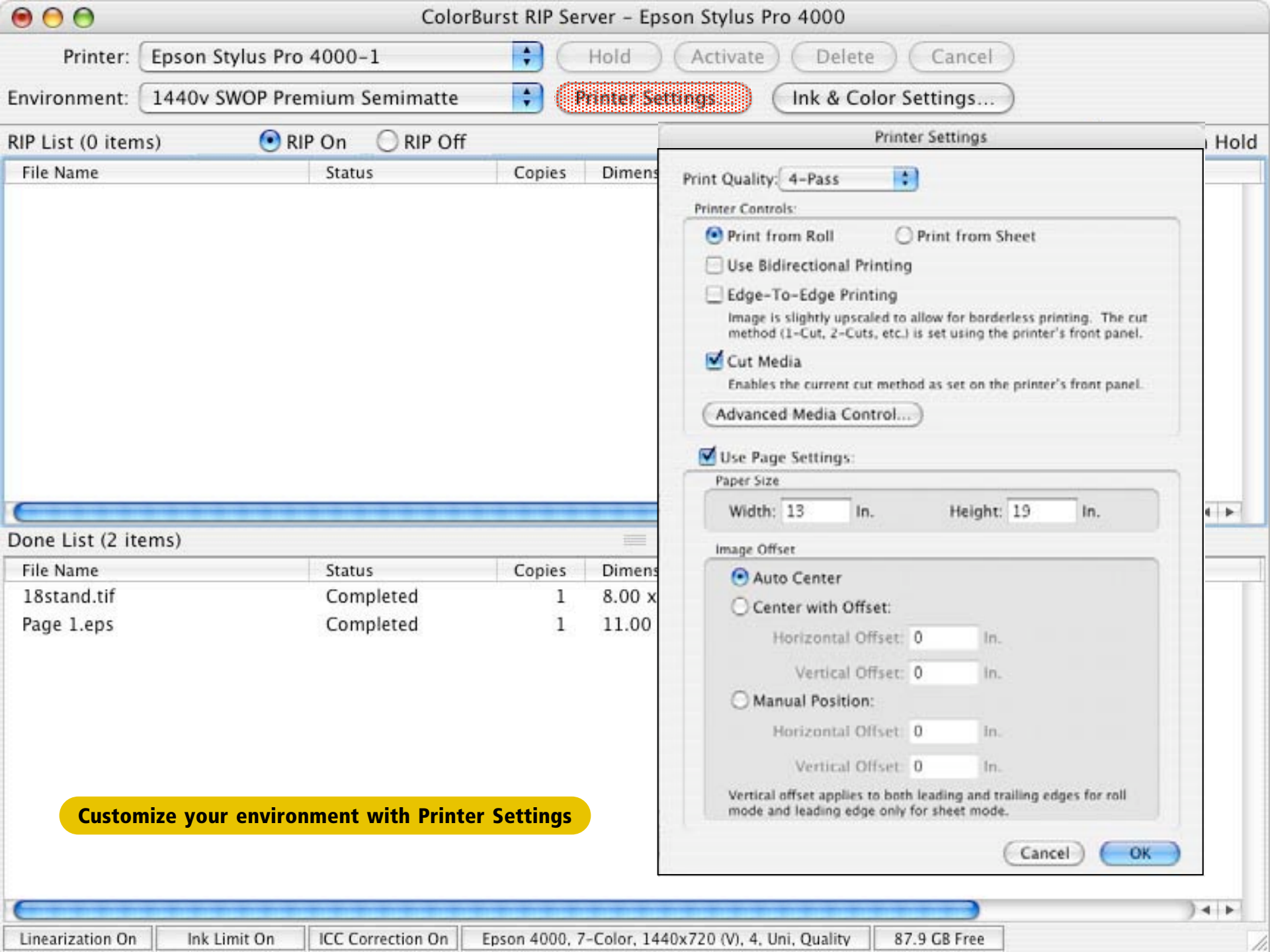
Rotation

Number of Copies

Copies to Print: 1

Print   Cancel   OK

Double-clicking on a job opens File Attributes

Linearization On   Ink Limit On   ICC Correction On   Epson 4000, 7-Color, 1440x720 (V), 4, Uni, Quality   87.9 GB Free

ColorBurst RIP Server – Epson Stylus Pro 4000

Printer: Epson Stylus Pro 4000-1 | Hold | Activate | Delete | Cancel

Environment: 1440v SWOP Premium Semimatte | Printer Settings | Ink & Color Settings...

RIP List (0 items)   ◉ RIP On   ○ RIP Off

File Name	Status	Copies	Dimens

Printer Settings

Print Quality: 4-Pass

Printer Controls:

◉ Print from Roll   ○ Print from Sheet

☐ Use Bidirectional Printing

☐ Edge-To-Edge Printing

Image is slightly upscaled to allow for borderless printing. The cut method (1-Cut, 2-Cuts, etc.) is set using the printer's front panel.

☑ Cut Media

Enables the current cut method as set on the printer's front panel.

Advanced Media Control...

☑ Use Page Settings:

Paper Size

Width: 13 In.   Height: 19 In.

Image Offset

◉ Auto Center

○ Center with Offset:

Horizontal Offset: 0 In.

Vertical Offset: 0 In.

○ Manual Position:

Horizontal Offset: 0 In.

Vertical Offset: 0 In.

Vertical offset applies to both leading and trailing edges for roll mode and leading edge only for sheet mode.

Cancel | OK

Done List (2 items)

File Name	Status	Copies	Dimens
18stand.tif	Completed	1	8.00 x
Page 1.eps	Completed	1	11.00

Customize your environment with Printer Settings

| Linearization On | Ink Limit On | ICC Correction On | Epson 4000, 7-Color, 1440x720 (V), 4, Uni, Quality | 87.9 GB Free |
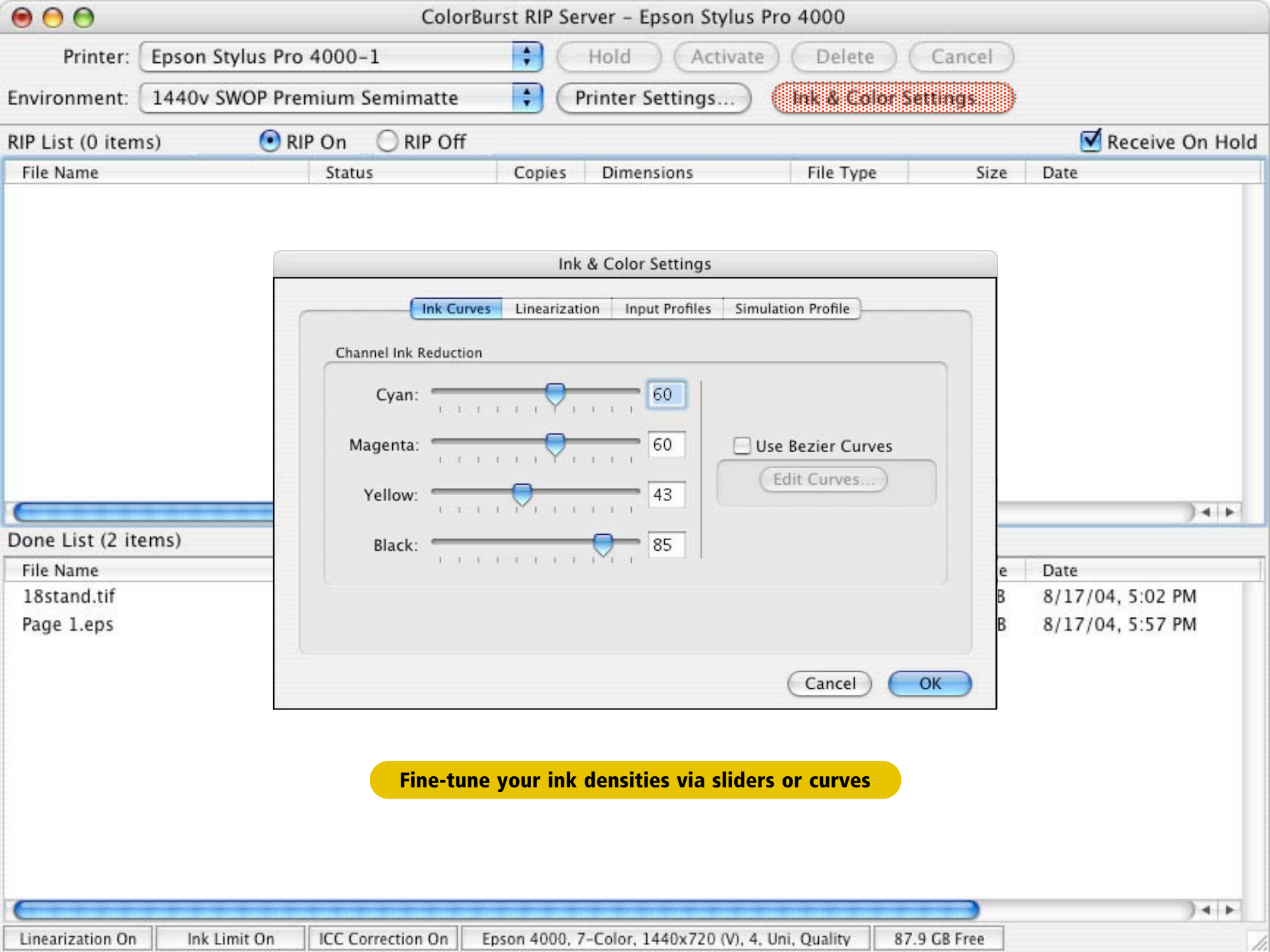
Fine-tune your ink densities via sliders or curves

ColorBurst RIP Server – Epson Stylus Pro 4000

Printer: Epson Stylus Pro 4000-1

Hold   Activate   Delete   Cancel

Environment: 1440v SWOP Premium Semimatte

Printer Settings...   Ink & Color Settings

RIP List (0 items)   ● RIP On   ○ RIP Off   ☑ Receive On Hold

File Name	Status	Copies	Dimensions	File Type	Size	Date

Ink & Color Settings

Ink Curves | Linearization | Input Profiles | Simulation Profile

Linearization File

4000 1440v PremSemMatte.Lin   Open...

Print Linearization Target

Cancel   OK

Done List (2 items)

File Name				e	Date
18stand.tif				B	8/17/04, 5:02 PM
Page 1.eps				B	8/17/04, 5:57 PM

Correct out-of-spec printers by performing a linearization
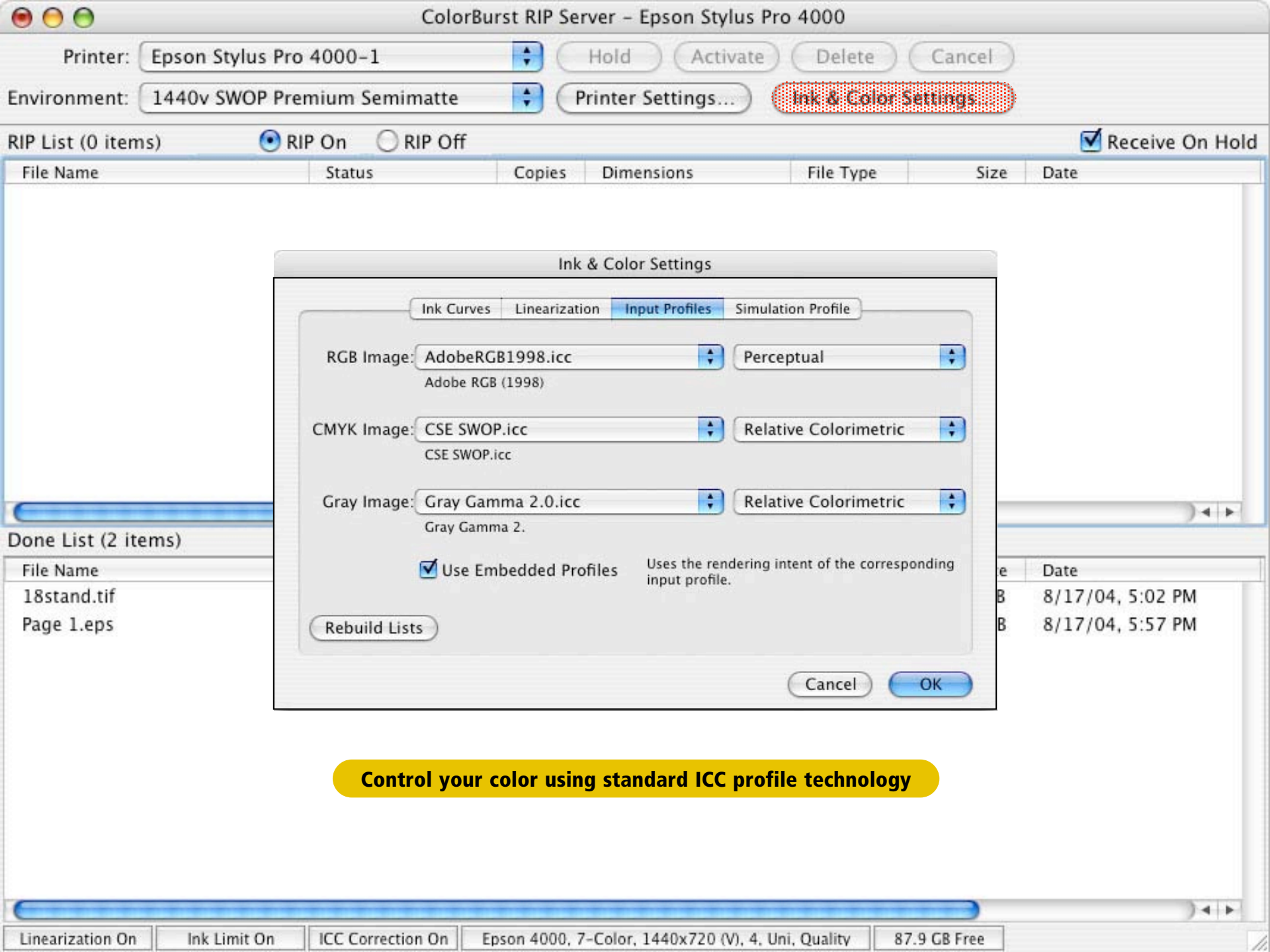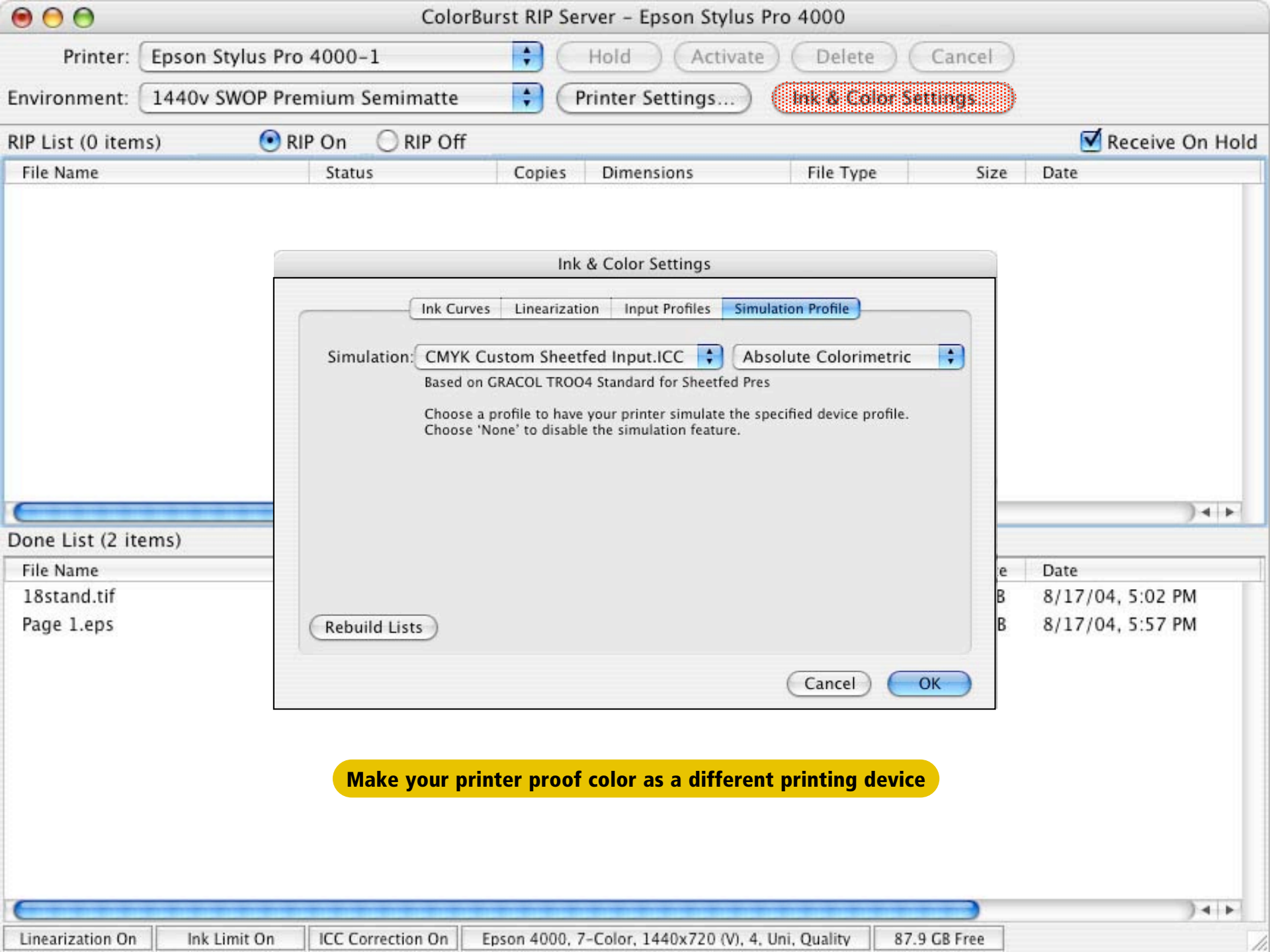
Linearization On   Ink Limit On   ICC Correction On   Epson 4000, 7-Color, 1440x720 (V), 4, Uni, Quality   87.9 GB Free

ColorBurst RIP Server – Epson Stylus Pro 4000

Printer: **Epson Stylus Pro 4000-1**   Hold   Activate   Delete   Cancel

Environment: **1440v SWOP Premium Semimatte**   Printer Settings...   Ink & Color Settings

RIP List (0 items)   ● RIP On   ○ RIP Off   ☑ Receive On Hold

File Name	Status	Copies	Dimensions	File Type	Size	Date

Ink & Color Settings

Ink Curves | Linearization | **Input Profiles** | Simulation Profile

RGB Image: **AdobeRGB1998.icc**   **Perceptual**
Adobe RGB (1998)

CMYK Image: **CSE SWOP.icc**   **Relative Colorimetric**
CSE SWOP.icc

Gray Image: **Gray Gamma 2.0.icc**   **Relative Colorimetric**
Gray Gamma 2.

☑ Use Embedded Profiles   Uses the rendering intent of the corresponding input profile.

Rebuild Lists

Cancel   OK

Done List (2 items)

File Name				e	Date
18stand.tif				B	8/17/04, 5:02 PM
Page 1.eps				B	8/17/04, 5:57 PM

Control your color using standard ICC profile technology

Linearization On | Ink Limit On | ICC Correction On | Epson 4000, 7-Color, 1440x720 (V), 4, Uni, Quality | 87.9 GB Free

Make your printer proof color as a different printing device

➤ **Epson Stylus Pro 4000 (17") Basic Printer**

– Comes complete with a full set of 110 ml ink cartridges and starter set of media

– Only **$1,795** estimated purchase price

➤ **Epson Stylus Pro 4000 (17") Professional Edition**

– Comes complete with a full set of 110 ml ink cartridges and starter set of media

– ColorBurst PostScript Language Level 3 Compatible RIP for Mac & Windows

– Internal 10/100 BaseT Ethernet card

– Only **$2,195** estimated purchase price

17" **The Epson Stylus Pro 4000 represents an**

**Incredible Value for the Most Demanding Creative Professional**

➤ **Optional Printer Cabinet Stand**

- – Custom designed specifically for the Epson Stylus Pro 4000 print engine

- – Epson Stylus Pro 4000 printer fits nested on top - for a seamless appearance

- – Large Internal Storage

- – Removable Inner Shelf

- – Lockable Wheels

- – Heavy-Duty Construction - No Assembly Required

- – Only **$399** estimated purchase price

17"

44.8"

30.3"

37.5"
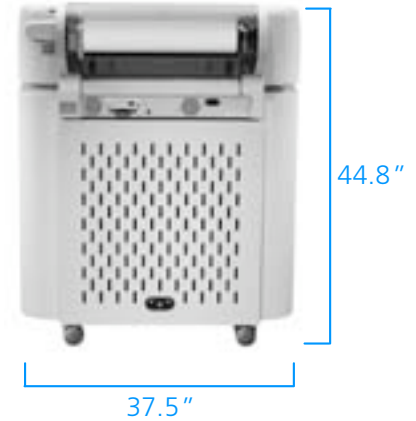
Competitive Comparisons

Epson Stylus Pro 7600

17"

FEATURE	Epson Stylus Pro 4000	Epson Stylus Pro 7600 UltraChrome
Maximum Media Width	17"	24"
Maximum Roll Media Width	17" Wide - Standard	24" Wide - Standard
Built-in Media Cutter	Yes	Yes
Max. Paper Cassette Sheet Size	17" x 22"	Not Available
Max. Paper Cassette Sheet Quantity	Up to 250 sheets (plain paper)	Not Available
Maximum Print Resolution	2,880 x 1,440 dpi	2,880 x 1,440 dpi
Print Head Technology	Variable Droplet Micro Piezo DX3	Variable Droplet Micro Piezo DX3
Smallest Droplet Size	3.5 Picoliter	4 Picoliter
Nozzle Configuration	180 Nozzles x 8	96 Nozzles x 7
Inking System	8-channels running 7-colors	7-color
Maximum Ink Cartridge Size	220ml x 8 (110ml x 8 std)	220ml x 7 (110ml x 7 std)
Ink Type	Epson UltraChrome (pigment)	Epson UltraChrome (pigment)
13" x 19" Print Speed[1]	4:03 min:sec	7:51 min:sec
Short Term Color Stability	Perfect for Prepress Proofing	Perfect for Prepress Proofing
Long Term Color Stability	Perfect for Pro Photography	Perfect for Pro Photography
Print Quality Opinion	Astonishing Photo Quality	Astonishing Photo Quality
Maximum Media Weight	1.5mm Thick Poster Board	1.5mm Thick Poster Board
Borderless Printing	Yes - All Four Sides	Yes - All Four Sides
Auto Head Alignment	Yes	No
Standard Connectivity	USB 2.0, FireWire, Type-B Slot	USB 2.0, Parallel, Type-B Slot
Optional Connectivity	10/100 BaseT Ethernet	10/100 BaseT Ethernet
Standard Printer Language	ESC/P2	ESC/P2
Optional Printer Language	PostScript 3	Adobe PostScript 3
Standard Driver Support	Mac OS 9, X, & Windows	Mac OS 9, X, & Windows
Standard Warranty	1-Year Full Unit Exchange	1-Year On-site Warranty Service
Estimated Purchase Price	$1,795 / $2,195 Pro Edition	$2,995

17"

[1]Printed at 720 x 720 dpi (uni-d) photo quality | This color represents a winning feature within the comparisons

EPSON

Competitive Summary – Epson Stylus Pro 4000 vs. Epson Stylus Pro 7600

The choice between buying the Epson Stylus Pro 4000 or Epson Stylus Pro 7600 is difficult. The Epson Stylus Pro 7600 is expected to become the main competitor to the Epson Stylus Pro 4000. In the end, the main reasons to buy the SP4000 over the SP7600 is cut sheet media support, print speeds, and price.

If you're a photographer working mainly in 16" x 20" or smaller formats – the SP4000 is the better choice.

If you're a graphic designer working mainly with cut-sheet media or 2-up spreads – the SP4000 is the ultimate choice.

If you're a prepress house or commercial printer looking for a contract quality proofing device, the SP4000 is the better choice for 2-up or newspaper volume proofing, while the SP7600 is better for 4-up or larger proofing jobs. In addition, you may find the SP4000 affordable enough to place at key customer locations for their use as a remote proofer. Since both the SP4000 and SP7600 use the exact same Epson UltraChrome Ink technology, they make an awesome team for all your professional proofing requirements. Many third-party RIP companies are developing complete remote proofing solutions around these technologies.

Overall, the Epson Stylus Pro 4000 is about 1.9 times faster than the SP7600 while producing slightly better image quality. The ability to not have to switch between Photo Black and Matte Black ink modes is a huge benefit over the SP7600, which requires a manual ink cartridge switch in order to obtain the same ink mode.

Having a high-capacity paper cassette capable of holding up to 50 sheets of 17" x 22" photographic or fine art media is extremely productive. For higher volume photographic printing (up to 17" x 22") the SP4000 is the best choice.

The SP4000 is about $1,200 cheaper than the SP7600. The SP7600's major benefit is its ability to produce photographic prints up to 24" wide. Although the SP7600 can handle any cut sheet size from letter to 24" wide, the SP4000's built-in cassette makes it more convenient to use everyday when printing on media up to 17" x 22".

CONCLUSION: Both the SP4000 and SP7600 are considered professional level photographic printers. If you need to produce work up to 24" wide, the SP7600 is your best choice – otherwise the Epson Stylus Pro 4000 is the ultimate choice.

Appendix

17"

DESCRIPTION	EPSON PART NO.	EST. STREET[1]
Epson Stylus Pro 4000 Print Engine	C511001UCM	$1,795
7-color print engine configuration		
Epson Stylus Pro 4000 Professional Edition	C511001PRO[2]	$2,195
7-color print engine configuration with 10/100 BaseT and ColorBurst X-Proof PostScript 3 Compatible RIP		
Epson Stylus Pro 4000 Printer Cabinet Stand	C4000STAND[2]	$399
Internal 10/100 BaseT Ethernet Type-B Card	C12C824052	$299
Paper Roller Spindle (Normal Tension) – 2″ or 3″	C12C811171	$85
Paper Roller Spindle (High Tension) – 2″ or 3″	C12C811191	$85
Replacement Printer Cutter Blade	C12C815291	$95
Replacement Ink Maintenance Tank	C12C890071	$45
Additional One-Year Epson Preferred Plus Service	EPP40EX1	$279
Additional Two-Year Epson Preferred Plus Service	EPP40EX2	$479

[1]Estimated Purchase Prices as of 07/07/04 | Please check with your local Epson reseller for the latest pricing information

[2]Expected to ship Q3 2004. See your local Epson Reseller for availability.

17″

EPSON

DESCRIPTION	EPSON PART NO.	MSRP
110ml Cartridge Sizes		
Photo Black Ink Cartridge	T543100	$69.95
Cyan Ink Cartridge	T543200	$69.95
Magenta Ink Cartridge	T543300	$69.95
Yellow Ink Cartridge	T543400	$69.95
Light Cyan Ink Cartridge	T543500	$69.95
Light Magenta Ink Cartridge	T543600	$69.95
Light Black Ink Cartridge	T543700	$69.95
Matte Black Ink Cartridge	T543800	$69.95
220ml Cartridge Sizes		
Photo Black Ink Cartridge	T544100	$112.00
Cyan Ink Cartridge	T544200	$112.00
Magenta Ink Cartridge	T544300	$112.00
Yellow Ink Cartridge	T544400	$112.00
Light Cyan Ink Cartridge	T544500	$112.00
Light Magenta Ink Cartridge	T544600	$112.00
Light Black Ink Cartridge	T544700	$112.00
Matte Black Ink Cartridge	T544800	$112.00

The Epson Stylus Pro 4000 can use either 110ml or 220ml ink cartridges. You can even mix and match different sizes within the same printer.

17"

17"

EPSON